

Bohn, Brent

From: Lee, Janice
Sent: Wednesday, May 29, 2013 4:08 PM
To: Turley, Audrey; Cowden, John; Sams, Reeder
Cc: Henning, Cara
Subject: RE: Arsenic Study Quality for Bladder Studies - Path Forward

Categories: Record Saved - Private

I'm in training tues- thurs next week, and that Monday is my furlough.
Don't want to hold you all up, so feel free to meet without me. I'll get John and Reeder to fill me in.

Thanks, Janice

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Wednesday, May 29, 2013 3:03 PM
To: Lee, Janice; Cowden, John; Sams, Reeder
Cc: Henning, Cara
Subject: RE: Arsenic Study Quality for Bladder Studies - Path Forward

Does Tuesday work for you guys? We're free from 1 until 4:30.
Audrey

-----Original Appointment-----

From: Lee, Janice [mailto:Lee.JaniceS@epa.gov]
Sent: Wednesday, May 29, 2013 2:45 PM
To: Turley, Audrey
Subject: Declined: Arsenic Study Quality for Bladder Studies - Path Forward
When: Monday, June 03, 2013 10:00 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: At EPA

Bohn, Brent

From: Lee, Janice
Sent: Thursday, May 16, 2013 11:50 AM
To: Cowden, John
Subject: RE: Arsenic Study Quality Procedure
Attachments: Arsenic Procedure for Study Quality Review_051513_JSL.docx
Categories: Record Saved - Private

Hi John,

Here are my edits to the study quality writeup, which we already discussed yesterday.

Janice

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Wednesday, May 15, 2013 1:37 PM
To: Cowden, John; Lee, Janice
Cc: Blain, Robyn; Eftim, Sorina
Subject: Arsenic Study Quality Procedure

John and Janice,

The attached 2 page document describes the study quality evaluation procedure. We'd appreciate your feedback!

After your review, we can paste this section back in to the main document describing the literature search and categorization of the studies for hazard ID along with the 2 example SQ tables we provided last week.

Audrey

AUDREY TURLEY |
ICF INTERNATIONAL |

Bohn, Brent

From: Antonelli, Ray
Sent: Wednesday, January 30, 2013 2:28 PM
To: Lee, Janice; Cowden, John
Subject: Re: Arsenic Test References

Categories: Record Saved - Private

Hi guys! When are we getting together to discuss our initial sorting of the shared items?

Ray Antonelli
ORISE Fellow, Hazardous Pollutant Assessment Group
National Center for Environmental Assessment
US Environmental Protection Agency, B231-G
RTP, NC 27711
919-541-3558

From: Ryan Jones/RTP/USEPA/US
To: JaniceS Lee/RTP/USEPA/US@EPA, John Cowden/RTP/USEPA/US@EPA, Ray Antonelli/RTP/USEPA/US@EPA
Date: 01/30/2013 11:27 AM
Subject: Arsenic Test References

Ryan Jones
Technical Information Specialist
National Center for Environmental Assessment
United States Environmental Protection Agency
Research Triangle Park, NC 27711
Mail Code: B142-F
Phone: 919.541.9415

[attachment "HERO_Arsenic2012_TestReferences_pid_2211_uid_2444.enlx" deleted by Ray Antonelli/RTP/USEPA/US]

Bohn, Brent

From: Lee, Janice
Sent: Wednesday, January 30, 2013 2:41 PM
To: Antonelli, Ray
Cc: Cowden, John
Subject: Re: Arsenic Test References

Categories: Record Saved - Private

I am about to start going through them now. I can meet today (if I get through it) or tomorrow morning.

From: Ray Antonelli/RTP/USEPA/US
To: JaniceS Lee/RTP/USEPA/US@EPA, John Cowden/RTP/USEPA/US@EPA
Date: 01/30/2013 02:27 PM
Subject: Re: Arsenic Test References

Hi guys! When are we getting together to discuss our initial sorting of the shared items?

Ray Antonelli
ORISE Fellow, Hazardous Pollutant Assessment Group
National Center for Environmental Assessment
US Environmental Protection Agency, B231-G
RTP, NC 27711
919-541-3558

From: Ryan Jones/RTP/USEPA/US
To: JaniceS Lee/RTP/USEPA/US@EPA, John Cowden/RTP/USEPA/US@EPA, Ray Antonelli/RTP/USEPA/US@EPA
Date: 01/30/2013 11:27 AM
Subject: Arsenic Test References

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Technical Information Specialist
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Mail Code: B142-F
Phone: 919.541.9415

[attachment "HERO_Arsenic2012_TestReferences_pid_2211_uid_2444.enlx" deleted by Ray Antonelli/RTP/USEPA/US]

Bohn, Brent

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Friday, April 05, 2013 4:16 PM
To: Cowden, John
Subject: Re: DRAFT DRAFT DRAFT Animal Study quality considerations slide
Categories: Record Saved - Private

You're nuts - we're not flying!

Thanks for the slide.

From: Cowden, John [mailto:Cowden.John@epa.gov]
Sent: Friday, April 05, 2013 03:11 PM
To: Turley, Audrey; Henning, Cara
Cc: Lee, Janice ; Sams, Reeder
Subject: DRAFT DRAFT DRAFT Animal Study quality considerations slide

Hey Audrey and Cara,

Happy Friday! I hope that things are going well for you today.

Here is the slide we talked about. Hopefully it will be a helpful starting point for your discussions next week. As always, this slide is DRAFT DRAFT DRAFT and apt to change at any moment.

Let me know if you have any questions. Have a safe flight up to DC!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

From: Cowden, John
Sent: Monday, April 29, 2013 9:07 AM
To: Turley, Audrey
Subject: RE: Finish the Study Quality Matrix?

Categories: Record Saved - Private

Hey Audrey,

Happy Monday! I hope that you had a good time in Vegas this weekend!

I ran into a meeting last Thursday PM, so didn't make good progress on the study quality table. I'll finish it up today and send it out.

Have a great morning!

John

John Cowden, Ph.D.
 Hazardous Pollutant Assessment Group (HPAG)
 National Center for Environmental Assessment (NCEA)
 U.S. Environmental Protection Agency - RTP
 (919) 541-3667

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Thursday, April 25, 2013 4:19 PM
To: Cowden, John
Subject: Finish the Study Quality Matrix?

John,
 Did you finish? Do you mind sending me what you have so far so that we can get ready for our meeting next week?

I can also finish where you leave off.
 Audrey

AUDREY TURLEY |
ICF INTERNATIONAL |

Bohn, Brent

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From: Cowden, John
Sent: Wednesday, June 12, 2013 1:48 PM
To: Turley, Audrey; Lee, Janice
Subject: RE: Health Effect Categories Email and Spreadsheet?
Categories: Record Saved - Private

Hey Audrey,

Happy Wednesday! I hope that things are going well for you today.

We did get your email, attachment and all. Perhaps you should send all of your emails from the blackberry.

When you get a chance, give me a call. We need to talk about some arsenic stuff.

Have a great afternoon!

John

John Cowden, Ph.D.

Hazardous Pollutant Assessment Group (HPAG) National Center for Environmental Assessment (NCEA) U.S.
Environmental Protection Agency - RTP
(919) 541-3667

-----Original Message-----

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Wednesday, June 12, 2013 1:35 PM
To: Cowden, John; Lee, Janice
Subject: Health Effect Categories Email and Spreadsheet?

I sent you guys an email with the health effect categories this morning - did you get it or did your junk mail?
Just checking -
Audrey

Bohn, Brent

92

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Wednesday, June 12, 2013 3:08 PM
To: Cowden, John
Subject: RE: Health Effect Categories Email and Spreadsheet?

Categories: Record Saved - Private

I am at the SOx kickoff workshop - do you want to come down here - we're on break until 3:15 but i can step out whenever. my internet access is unreliable.

From: Cowden, John [Cowden.John@epa.gov]
Sent: Wednesday, June 12, 2013 1:47 PM
To: Turley, Audrey; Lee, Janice
Subject: RE: Health Effect Categories Email and Spreadsheet?

Hey Audrey,

Happy Wednesday! I hope that things are going well for you today.

We did get your email, attachment and all. Perhaps you should send all of your emails from the blackberry.

When you get a chance, give me a call. We need to talk about some arsenic stuff.

Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG) National Center for Environmental Assessment (NCEA) U.S.
Environmental Protection Agency - RTP
(919) 541-3667

-----Original Message-----

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Wednesday, June 12, 2013 1:35 PM
To: Cowden, John; Lee, Janice
Subject: Health Effect Categories Email and Spreadsheet?

I sent you guys an email with the health effect categories this morning - did you get it or did your junk mail?
Just checking -
Audrey

Bohn, Brent

From: Cowden, John
Sent: Friday, February 01, 2013 10:43 AM
To: Antonelli, Ray
Cc: Lee, Janice
Subject: Re: How stuff gets categorized in CEA

Categories: Record Saved - Private

Hey Ray-Ray,

Happy Friday! I hope that things are going well for you today.

This CEA stuff looks more detailed that we need right now, but could be a good resource for moving forward with LitSifting (Reeder's term!).

Have a great weekend!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Ray Antonelli/RTP/USEPA/US
To: John Cowden/RTP/USEPA/US@EPA, JaniceS Lee/RTP/USEPA/US@EPA
Date: 01/31/2013 04:33 PM
Subject: How stuff gets categorized in CEA

Hey Lit-Squad!

As I mentioned during our meeting, the CEA team sorts information in a way that might be useful to us as we do sorting of our own. Please see the attached file for the structure they use (sorry about the grayscaling). The same figure is shown in full color on the CEA poster in the hallway. :-). If you have questions about this, feel free to call me. Christy Powers and Patricia (Patty) Gillespie would also be good people to talk to. Hope you both have a great weekend!

Cheers,

Ray

[attachment "Master List of Grayscaled CEA Framework.pdf" deleted by John Cowden/RTP/USEPA/US]

Ray Antonelli
ORISE Fellow, Hazardous Pollutant Assessment Group
National Center for Environmental Assessment
US Environmental Protection Agency, B231-G
RTP, NC 27711
919-541-3558

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Bohn, Brent

From: Jones, Ryan
Sent: Tuesday, June 24, 2014 12:58 PM
To: Powers, Christina
Cc: Cowden, John; Lee, Janice
Subject: RE: iAs MOA Lit Flow Diagram
Attachments: 2014 06 24 Arsenic_Lit_Diagram_MOA.pptx

Categories: Record Saved - Private

I updated the MOA items to reflect the sources of the ones already identified.

From: Powers, Christina
Sent: Tuesday, June 24, 2014 12:23 PM
To: Jones, Ryan
Cc: Powers, Christina; Cowden, John; Lee, Janice
Subject: iAs MOA Lit Flow Diagram

Hey Ryan,

Thanks so much for your insight on the MOA lit flow. Attached is the most recent copy with a few updates per our conversation. Can you look it over and revise, particularly how the 553 references that were previously ID'd, come in?

John,

When Ryan shares the updated slide, can you add it as an extra slide in bimonthly meeting slide deck? I think it may be useful to have a visual on hand to help address questions related to how the MOA lit search is being conducted.

As always, don't hesitate to contact me with any questions or concerns. I'll be traveling to DC this afternoon so my cell is the best way to reach me after about 3 p.m..

Thanks!
Christy
Cell: 919-257-9182

Bohn, Brent

From: Powers, Christina
Sent: Tuesday, June 24, 2014 1:28 PM
To: Jones, Ryan
Cc: Cowden, John; Lee, Janice
Subject: RE: iAs MOA Lit Flow Diagram
Attachments: 2014 06 24 Arsenic_Lit_Diagram_MOA_CLEAN.pptx
Categories: Record Saved - Private

Thanks Ryan!

I went through and made all of the text in boxes black to avoid too much attention on the numbers. John can you add the attached slide to the end of the meeting presentation slide deck as an extra slide?

Cheers,
Christy

From: Jones, Ryan
Sent: Tuesday, June 24, 2014 12:58 PM
To: Powers, Christina
Cc: Cowden, John; Lee, Janice
Subject: RE: iAs MOA Lit Flow Diagram

I updated the MOA items to reflect the sources of the ones already identified.

From: Powers, Christina
Sent: Tuesday, June 24, 2014 12:23 PM
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As always, don't hesitate to contact me with any questions or concerns. I'll be traveling to DC this afternoon so my cell is the best way to reach me after about 3 p.m..

Thanks!
Christy

Bohn, Brent

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Tuesday, March 19, 2013 2:40 PM
To: Cowden, John
Subject: RE: Lit Flow diagram numbers

Categories: Record Saved - Private

Hi -

This is definitely on the list for this week - Michelle and AJ are working on it. I just saw that AJ sent Michelle all of the results from DRAGON-Screen so that she'll be able to send the HERO IDs for tagging to Ryan.

Do you need this before Friday? I think my projection was for her to finish on Thursday. Let me know... You can also call Michelle directly. She works from home on Tuesday.

Audrey

From: Cowden, John [Cowden.John@epa.gov]
Sent: Tuesday, March 19, 2013 1:55 PM
To: Turley, Audrey
Subject: Lit Flow diagram numbers

Hey Audrey,

Happy Tuesday! I hope that you're enjoying your meeting today.

We need to pull together a literature search product fairly quickly. Basically, we'll need the DRAGONScreen numbers through round 3 (quick study quality). I'll have Ryan pull together the number for the clustering.

Let me know if you have any questions. Have a fun afternoon!

John

John Cowden, Ph.D.

Hazardous Pollutant Assessment Group (HPAG)

National Center for Environmental Assessment (NCEA)

U.S. Environmental Protection Agency - RTP

(919) 541-3667

Bohn, Brent

From: Cowden, John
Sent: Thursday, March 20, 2014 9:01 AM
To: Jones, Ryan
Subject: RE: Mode of Action paragraph

Categories: Record Saved - Private

Hi Ryan,

Happy Thursday! I hope that things are going well for you today.

Tomorrow afternoon would be great to get your description. We haven't looked at the clusters yet, so I may need some guidance on where to find them. ☺

Have a great morning!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Jones, Ryan
Sent: Wednesday, March 19, 2014 6:03 PM
To: Cowden, John
Subject: Mode of Action paragraph

John,

Reeder mentioned it would be useful for me to write a description of how the mode of action clusters were obtained- will tomorrow afternoon be soon enough? Have the subclusters proven useful at all?

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Bohn, Brent

From: Cowden, John
Sent: Monday, June 24, 2013 12:06 PM
To: Henning, Cara; Lee, Janice
Cc: Turley, Audrey; Blain, Robyn; Eftim, Sorina; Overton, A.J.
Subject: RE: Neuro study quality tables with rationales

Categories: Record Saved - Private

Hey Cara,

Happy Monday! I hope that things are going well for you.

Just FYI, these ended up in the Junk folder. Your guess is as good as mine at this point... ☺

Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Henning, Cara [mailto:Cara.Henning@icfi.com]
Sent: Monday, June 24, 2013 11:25 AM
To: Cowden, John; Lee, Janice
Cc: Turley, Audrey; Blain, Robyn; Eftim, Sorina; Overton, A.J.; Henning, Cara
Subject: Neuro study quality tables with rationales

Hi John and Janice,

Here are the neuro study quality tables with the rating rationales for your review.

Talk to you this afternoon,
Cara

CARA HENNING
ICF INTERNATIONAL |

Bohn, Brent

From: Lee, Janice
Sent: Monday, August 26, 2013 3:01 PM
To: Turley, Audrey; Cowden, John
Subject: RE: Study quality for dermal

Categories: Record Saved - Private

Hi Audrey,

Got the dermal files. I am out today, sick kid at home.
And I think John is out today as well.

How long will it take for the QA to be done on the evidence tables? I'd like to see them so just send whatever you have and we won't distribute.

thanks, Janice

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Monday, August 26, 2013 1:51 PM
To: Cowden, John; Lee, Janice
Subject: Study quality for dermal

Hi guys - did you get the dermal files?

We have preliminary evidence tables for the end points we've completed (bladder, endocrine, neuro, and today cardio). But they haven't been QA'd to make sure what was extracted into each field makes sense the way it was entered and is now presented in the table. Do you want to preview these or wait until they've been cleaned up? I'd I send them to you now, you must promise not to distribute them to any one. At all.
Audrey

Bohn, Brent

From: Lee, Janice
Sent: Wednesday, September 11, 2013 1:03 PM
To: Henning, Cara; Cowden, John
Cc: Turley, Audrey; Cawley, Michelle
Subject: RE: Study Quality Tables for Repro/Develop Studies

Categories: Record Saved - Private

Hey Cara,

We got it!

Thanks, Janice

From: Henning, Cara [mailto:Cara.Henning@icfi.com]
Sent: Wednesday, September 11, 2013 1:00 PM
To: Cowden, John; Lee, Janice
Cc: Turley, Audrey; Cawley, Michelle; Henning, Cara
Subject: Study Quality Tables for Repro/Develop Studies

Hi John and Janice,

Here are the reproductive and developmental study quality tables. Can you give me a shout back so I know this didn't end up in junk mail?

Thanks,
Cara

Bohn, Brent

From: Powers, Christina
Sent: Tuesday, June 17, 2014 4:37 PM
To: Cowden, John
Cc: Lee, Janice; Sams, Reeder; Jones, Ryan
Subject: RE: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

Categories: Record Saved - Private

Thanks John!

Happy Tuesday and Go Blue!

Cheers,
Christy

From: Cowden, John
Sent: Tuesday, June 17, 2014 4:12 PM
To: Powers, Christina
Cc: Lee, Janice; Sams, Reeder; Jones, Ryan
Subject: FW: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

Hey Christy,

Happy Tuesday (again)! I heard you might be looking for a lit flow diagram.... ☺

Have a great evening!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Burch, Dave [<mailto:dave.burch@icfi.com>]
Sent: Thursday, June 12, 2014 4:01 PM
To: Cowden, John; Lee, Janice; Sams, Reeder
Cc: Turley, Audrey
Subject: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

John,

Attached is a revised version of the literature search flow diagram for arsenic, now updated to show the disposition of the additional references retrieved via the lit search update for January-March 2014. Please use this version in any updated documents describing the methods and results of the systematic literature review supporting the arsenic assessment.

Give me a call if you have any questions.

Thanks,
Dave

Bohn, Brent

From: Lee, Janice
Sent: Tuesday, June 17, 2014 4:39 PM
To: Powers, Christina; Cowden, John
Cc: Sams, Reeder; Jones, Ryan
Subject: RE: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

Categories: Record Saved - Private

This looks like the overall lit search.

Christy- are you looking for one that is only focused on the mechanistic studies (MOA/AOP)?

From: Powers, Christina
Sent: Tuesday, June 17, 2014 4:37 PM
To: Cowden, John
Cc: Lee, Janice; Sams, Reeder; Jones, Ryan
Subject: RE: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

Thanks John!

Happy Tuesday and Go Blue!

Cheers,
Christy

From: Cowden, John
Sent: Tuesday, June 17, 2014 4:12 PM
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Subject: FW: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

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Have a great evening!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Burch, Dave [<mailto:dave.burch@icfi.com>]
Sent: Thursday, June 12, 2014 4:01 PM
To: Cowden, John; Lee, Janice; Sams, Reeder
Cc: Turley, Audrey
Subject: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

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Give me a call if you have any questions.

Thanks,
Dave

DAVE BURCH |
ICF INTERNATIONAL |

Bohn, Brent

From: Sams, Reeder
Sent: Friday, April 19, 2013 12:56 PM
To: Lee, Janice; Cowden, John
Subject: RE: ADP

Categories: Record Saved - Private

Where the text refers to the figure there is a comment bubble, basically it is just changing the numbers

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
Research Triangle Park Division
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661

Fax: 919-541-0245

From: Lee, Janice
Sent: Friday, April 19, 2013 12:54 PM
To: Sams, Reeder; Cowden, John
Subject: RE: ADP

Hi Reeder,

The figures are jpg files. I have the jpg files and can revise the titles if you let me know what they should be. I can re-insert them into the latest draft or just send you the revised jpg files. Let me know.

Janice

From: Sams, Reeder
Sent: Friday, April 19, 2013 12:45 PM
To: Cowden, John; Lee, Janice
Subject: ADP

John and Janice,

Attached is the current draft of the ADP. I have made it through Section 4 and am starting to go through Section 5. In Section 5.5.1.2 it has a note to check with Ryan, does this text need revised? Also, I tried to revise the figure titles in Section 4, but it would not allow me to go to the original file. My plan is to send out hopefully today or before Monday.

Best Regards,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
Research Triangle Park Division
National Center for Environmental Assessment

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U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

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Bohn, Brent

From: Sams, Reeder
Sent: Friday, April 19, 2013 1:27 PM
To: Cowden, John; Lee, Janice
Subject: RE: ADP

Categories: Record Saved - Private

Peachy keen,

You guys have it, I will continue to revise the ADP.

Thanks,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
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National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

From: Cowden, John
Sent: Friday, April 19, 2013 1:25 PM
To: Sams, Reeder; Lee, Janice
Subject: RE: ADP

Hey Reeder,

Happy Friday! I hope that things are going well for you today on the ranch.

The "check with Ryan" section is general enough that we should be fine. I was mostly concerned about the literature search diagram, which at this point is consistent with ICF's diagram. We should be OK for now.

Let us know if you have any other questions. Did you want to participate in the scheduling meeting with ICF at 2:30?

Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

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Sent: Friday, April 19, 2013 12:45 PM
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Subject: ADP

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Best Regards,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
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U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

Bohn, Brent

108

From: Cowden, John
Sent: Friday, April 19, 2013 1:25 PM
To: Sams, Reeder; Lee, Janice
Subject: RE: ADP

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Hey Reeder,

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Subject: ADP

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Best Regards,
Reeder

Reeder L. Sams II, Ph.D.
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Office of Research and Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

Bohn, Brent

From: Lee, Janice
Sent: Friday, April 19, 2013 2:30 PM
To: Sams, Reeder; Cowden, John
Subject: RE: ADP figures
Attachments: iAs Assessment Development Plant - draft - 04 19 13_Lee .docx

Categories: Record Saved - Private

Sure thing!
Here you go!

From: Sams, Reeder
Sent: Friday, April 19, 2013 2:19 PM
To: Lee, Janice; Cowden, John
Subject: RE: ADP figures

Janice,

Thank you. Could you put these in the ADP draft that I sent at lunch?

Best Regards,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
Research Triangle Park Division
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

From: Lee, Janice
Sent: Friday, April 19, 2013 2:15 PM
To: Sams, Reeder; Cowden, John
Subject: RE: ADP figures

Peach keen?! Lol

OK, here are the revised figures. I am sending you the jpgs so you have them.

Have a good weekend!
Janice

From: Sams, Reeder
Sent: Friday, April 19, 2013 1:27 PM
To: Cowden, John; Lee, Janice
Subject: RE: ADP

Peachy keen,

You guys have it, I will continue to revise the ADP.

Thanks,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
Research Triangle Park Division
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

From: Cowden, John
Sent: Friday, April 19, 2013 1:25 PM
To: Sams, Reeder; Lee, Janice
Subject: RE: ADP

Hey Reeder,

Happy Friday! I hope that things are going well for you today on the ranch.

The "check with Ryan" section is general enough that we should be fine. I was mostly concerned about the literature search diagram, which at this point is consistent with ICF's diagram. We should be OK for now.

Let us know if you have any other questions. Did you want to participate in the scheduling meeting with ICF at 2:30?

Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Sams, Reeder
Sent: Friday, April 19, 2013 12:45 PM
To: Cowden, John; Lee, Janice
Subject: ADP

John and Janice,

Attached is the current draft of the ADP. I have made it through Section 4 and am starting to go through Section 5. In Section 5.5.1.2 it has a note to check with Ryan, does this text need revised? Also, I tried to revise the figure titles in Section 4, but it would not allow me to go to the original file. My plan is to send out hopefully today or before Monday.

Best Regards,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
Research Triangle Park Division
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

Bohn, Brent

From: Lee, Janice
Sent: Thursday, November 21, 2013 2:22 PM
To: Burgoon, Lyle; Sams, Reeder; Cowden, John
Subject: RE: omics review: arsenic

Categories: Record Saved - Private

Yes, I was wondering if a case study for arsenic had been done yet. I would be interested in looking at that data and doing an analysis. The gene expression studies would be useful for MOA and susceptibility, so I think we should get the studies for arsenic. That's just my thought.

Janice

-----Original Message-----

From: Burgoon, Lyle
Sent: Thursday, November 21, 2013 12:42 PM
To: Sams, Reeder; Cowden, John; Lee, Janice
Subject: omics review: arsenic

FYI: I think I mentioned this, but the NAS report reminded me about genomics data.

We built, and have submitted for peer review, a toxicogenomics review tool that ICF has experience using. The tool is a screening tool mainly to help transparently weed out low quality toxicogenomics studies, focused on gene expression. Expert review is still required to assess study quality for the remaining studies, but if you do decide to go down the gene expression data route, I thought I would offer that up.

Cheers,

Lyle

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Monday, May 19, 2014 12:01 PM
To: Cowden, John
Cc: Lee, Janice; Gift, Jeff; Burch, Dave; Eftim, Sorina; Mendez Jr, William
Subject: RE: Status of Hazard Id meta-analysis materials

Categories: Record Saved - Private

John,
We're addressing internal comments and I will send to you early this afternoon, including Jeff on the email.
Audrey

From: Cowden, John [mailto:Cowden.John@epa.gov]
Sent: Monday, May 19, 2014 11:12 AM
To: Turley, Audrey
Cc: Lee, Janice; Sams, Reeder; Gift, Jeff; Burch, Dave
Subject: Status of Hazard Id meta-analysis materials

Hi Audrey,

Happy Monday! I hope that things are going well for you today.

Were the draft hazard ID meta-analysis materials sent on Friday (05/16/14)? We haven't received any materials - I even checked the infamous "Junk" folder - so wanted to make sure things weren't bouncing back.

We're planning to send the draft dose-response and hazard ID meta-analysis materials up for workgroup review today at noon.

Let me know if you have any questions. Have a great morning!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Cowden, John
Sent: Thursday, February 06, 2014 1:07 PM
To: Turley, Audrey
Subject: RE: DRAFT DRAFT DRAFT version of the revised ADP

Categories: Record Saved - Private

Hi Audrey,

Happy Thursday (again)! I hope that things are going well for you today.

All of the WA task meetings (e.g., PBPK, Endpoints, D-R, etc) are with the DREAM Team. The request to use EPA conference lines did not originate from WAMs.

They are taking my computer this afternoon to install Windows 7. Since this may be my last email communication for a while, give me a call if you have any questions. :)

Have a great afternoon!

John

John Cowden, Ph.D.

Hazardous Pollutant Assessment Group (HPAG) National Center for Environmental Assessment (NCEA) U.S.
Environmental Protection Agency - RTP
(919) 541-3667

-----Original Message-----

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Thursday, February 06, 2014 12:02 PM
To: Cowden, John
Subject: Re: DRAFT DRAFT DRAFT version of the revised ADP

Thanks for sending the draft, John.

I haven't set up DREAM team meetings, unless I don't understand what you are referring to. Just for a point of reference, using my conference line costs on average \$1-\$2.
Audrey

> On Feb 6, 2014, at 10:53 AM, "Cowden, John" <Cowden.John@epa.gov> wrote:

>

> Hi Audrey,

>

> Happy Thursday! I hope that things are going well for you today.

>

> I'm sending you the first DRAFT DRAFT DRAFT version of the revised ADP for arsenic. It hasn't been vetted by Janice and Reeder, so take it with a grain of salt. I thought it might help to see the types of deliverables and approaches we're proposing in response to the NRC recommendations, particularly with respect to RoB. Just keep in mind that they are apt to change at any point. ☺ And it goes without saying that the document should not be distributed as it is definitely far from ready for release.

>
> Another request – could you change the conference line in the DREAM
> team meetings to the EPA conference line:

> We'd like to save our dollars to use on products and
> every little bit helps! ☺

>
> Let me know if you have any questions. Have a great afternoon!

>
> John

>
> John Cowden, Ph.D.

> Hazardous Pollutant Assessment Group (HPAG) National Center for
> Environmental Assessment (NCEA) U.S. Environmental Protection Agency -
> RTP
> (919) 541-3667

>
> <iAs Assessment Development Plan - revised draft - 02.06.14.docx>

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Thursday, February 06, 2014 12:02 PM
To: Cowden, John
Subject: Re: DRAFT DRAFT DRAFT version of the revised ADP

Categories: Record Saved - Private

Thanks for sending the draft, John.

I haven't set up DREAM team meetings, unless I don't understand what you are referring to. Just for a point of reference, using my conference line costs on average \$1-\$2.

Audrey

> On Feb 6, 2014, at 10:53 AM, "Cowden, John" <Cowden.John@epa.gov> wrote:
>
> Hi Audrey,
>
> Happy Thursday! I hope that things are going well for you today.
>
> I'm sending you the first DRAFT DRAFT DRAFT version of the revised ADP for arsenic. It hasn't been
> vetted by Janice and Reeder, so take it with a grain of salt. I thought it might help to see the types of
> deliverables and approaches we're proposing in response to the NRC recommendations, particularly with
> respect to RoB. Just keep in mind that they are apt to change at any point. ☺ And it goes without saying that
> the document should not be distributed as it is definitely far from ready for release.
>
> Another request – could you change the conference line in the DREAM
> team meetings to the EPA conference line:
 We'd like to save our dollars to use on products and
> every little bit helps! ☺
>
> Let me know if you have any questions. Have a great afternoon!
>
> John
>
> John Cowden, Ph.D.
> Hazardous Pollutant Assessment Group (HPAG) National Center for
> Environmental Assessment (NCEA) U.S. Environmental Protection Agency -
> RTP
> (919) 541-3667
>
> <iAs Assessment Development Plan - revised draft - 02.06.14.docx>

From: Lee, Janice
Sent: Monday, March 18, 2013 2:09 PM
To: Cowden, John; Sams, Reeder
Subject: RE: Draft Figures for Conceptual Model section of iAs ADP

Categories: Record Saved - Private

Figures look great, John!

Only one comment, in the overall conceptual model figure under sources, do we want to add food?

Janice

From: Cowden, John
Sent: Tuesday, March 12, 2013 2:11 PM
To: Sams, Reeder
Cc: Lee, Janice
Subject: Draft Figures for Conceptual Model section of iAs ADP

Hey Reeder,

Happy Tuesday! I hope that things are going well for you today.

Here are some figures for the conceptual model section of the ADP. Hopefully these figures clarify the text! ☺ Feel free to make any revisions you want.

Let me know if have any questions. Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

From: Vandenberg, John
Sent: Tuesday, March 26, 2013 2:25 PM
To: Lee, Janice
Cc: Sams, Reeder; Cowden, John
Subject: RE: iAs conceptual model and ADP- DRAFT

Categories: Record Saved - Private

Thanks!

From: Lee, Janice
Sent: Tuesday, March 26, 2013 12:50 PM
To: Vandenberg, John
Cc: Sams, Reeder; Cowden, John
Subject: iAs conceptual model and ADP- DRAFT

Hi John,

Attached are drafts of the conceptual model and analysis development plan (ADP) for iAs.
Let us know if you have any questions.

Thanks, Janice

Janice S. Lee, Ph.D.
National Center for Environmental Assessment
Mail Code: B-243-01
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

E-mail: Lee.JaniceS@epa.gov
Telephone: 919-541-9458
Fax: 919-541-0245

Bohn, Brent

From: Cowden, John
Sent: Wednesday, April 17, 2013 8:43 AM
To: Sams, Reeder
Cc: Lee, Janice
Subject: RE: Draft compiled ADP and draft figures
Attachments: iAs Problem Formulation Statement - draft - 03 26 13.docx

Categories: Record Saved - Private

Hey Reeder,

Happy Wednesday! I hope that things are going well for you at the homestead. I trust the varmints have been duly warned....

I think Janice compiled the figures and draft into a single file and sent it to John V on 3.26.13. At least, this version is the most recent version I have.

Have fun!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Sams, Reeder
Sent: Wednesday, April 17, 2013 8:37 AM
To: Cowden, John
Subject: FW: Draft compiled ADP and draft figures

Happy Wednesday

Is this the latest version of the ADP?

Thanks,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
Research Triangle Park Division
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

From: Cowden, John
Sent: Friday, March 22, 2013 4:23 PM
To: Lee, Janice; Sams, Reeder
Subject: Draft compiled ADP and draft figures

Hey Janice and Reeder,

Happy Friday! I hope that things are going well for you today.

Here is the compiled ADP, including revisions to the conceptual model, as well as the "Endpoints" section containing literature search strategy and hazard ID sections. We still need the Executive Summary, Introduction, and "Risk Metrics" section of the analysis plan. I'm also sending the current figures, which include some figures for the analysis plan.

As always, feel free to make any revisions you want. We can talk about things at our weekly summit on Monday.

Have a great weekend!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

142

From: Jones, Ryan
Sent: Wednesday, March 19, 2014 6:03 PM
To: Cowden, John
Subject: Mode of Action paragraph

Categories: Record Saved - Private

John,

Reeder mentioned it would be useful for me to write a description of how the mode of action clusters were obtained- will tomorrow afternoon be soon enough? Have the subclusters proven useful at all?

Bohn, Brent

From: Vandenberg, John
Sent: Tuesday, January 22, 2013 2:02 PM
To: Sams, Reeder
Cc: Lee, Janice; Cowden, John; Cogliano, Vincent; Chiu, Wuehsueh
Subject: my comments Re: Slides for iAs NAS meeting

Categories: Record Saved - Private

Hi Reeder,

This looks great. I made a few edits and attached it here. I made the changes in RED so you can see what i did. I also flag a couple comments and questions using RED.

John



Jan NAS
 presentations Sa...

John Vandenberg, PhD
 Director, RTP Division
 National Center for Environmental Assessment B243-01
 Office of Research and Development, USEPA
 Research Triangle Park, NC 27711

Tel: 919 541 4527
 Fax: 919 541 5078

From: Reeder Sams/RTP/USEPA/US
To: John Vandenberg/RTP/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA
Cc: John Cowden/RTP/USEPA/US@EPA, JaniceS Lee/RTP/USEPA/US@EPA, Weihsueh Chiu/DC/USEPA/US@EPA
Date: 01/22/2013 11:13 AM
Subject: Slides for iAs NAS meeting

John and Vince,

Attached are the draft slides Janice, John, and I prepared for the iAs NAS meeting on Thursday, January 24th. Any specific or overall recommended changes you may have we can make by the end of the day. We will be doing a practice presentation this afternoon and will likely have some revisions afterwards.

Best Regards,
 Reeder

[attachment "Jan NAS presentations Sams_Lee_Cowden - draft - 01.22.13.pptx" deleted by John Vandenberg/RTP/USEPA/US]
 Reeder L. Sams II, Ph.D.
 Deputy Director (Acting)
 Research Triangle Park Division
 National Center for Environmental Assessment
 Office of Research & Development
 U.S. Environmental Protection Agency, B243-01
 RTP, NC 27711

Phone: 919-541-0661
 Fax: 919-541-0245

Bohn, Brent

144

From: Cowden, John
Sent: Wednesday, March 20, 2013 8:59 AM
To: Jones, Ryan
Cc: Sams, Reeder; Lee, Janice
Subject: Needs for Lit Flow Diagram for iAs

Categories: Record Saved - Private

Hey Ryan,

Happy Wednesday! I hope that you're enjoying the first day of Spring.

We're putting together a lit flow diagram and need some information. Specifically, we need to know how many references were identified, how many were used for clustering, and how many references were in the "health effects" cluster.

Basically, we're looking to give folks enough information so they can reproduce the search results. If you could put something together (a LitFlow diagram would be perfect), that would be great!

Let me know if you have any questions. Have a great morning!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Henning, Cara <Cara.Henning@icfi.com>
Sent: Monday, June 24, 2013 11:25 AM
To: Cowden, John; Lee, Janice
Cc: Turley, Audrey; Blain, Robyn; Eftim, Sorina; Overton, A.J.; Henning, Cara
Subject: Neuro study quality tables with rationales
Attachments: NervousEffects_SQ Tables_with rationale.docx

Categories: Record Saved - Private

Hi John and Janice,

Here are the neuro study quality tables with the rating rationales for your review.

Talk to you this afternoon,
Cara

CARA HENNING |
ICF INTERNATIONAL |

Bohn, Brent

147

From: Burgoon, Lyle
Sent: Thursday, November 21, 2013 12:42 PM
To: Sams, Reeder; Cowden, John; Lee, Janice
Subject: omics review: arsenic

Categories: Record Saved - Private

FYI: I think I mentioned this, but the NAS report reminded me about genomics data.

We built, and have submitted for peer review, a toxicogenomics review tool that ICF has experience using. The tool is a screening tool mainly to help transparently weed out low quality toxicogenomics studies, focused on gene expression. Expert review is still required to assess study quality for the remaining studies, but if you do decide to go down the gene expression data route, I thought I would offer that up.

Cheers,

Lyle

Bohn, Brent

From: Lee, Janice
Sent: Tuesday, February 26, 2013 12:14 PM
To: Cowden, John; Sams, Reeder
Subject: planning and scoping
Attachments: iAs Planning and Scoping Summary - revised draft - 02 26 13_JSL.docx
Categories: Record Saved - Private

I just went through it and had some minor edits/recommended changes.
Good job John! So eloquent!

See ya at 2!
Janice

Bohn, Brent

152

From: Antonelli, Ray
Sent: Thursday, January 31, 2013 3:59 PM
To: Cowden, John; Lee, Janice
Subject: Ray's references sorted

Categories: Record Saved - Private



[Ray's References
Sorted]HERO_...

Ray Antonelli
ORISE Fellow, Hazardous Pollutant Assessment Group
National Center for Environmental Assessment
US Environmental Protection Agency, B231-G
RTP, NC 27711
919-541-3558

Bohn, Brent

155

From: Sams, Reeder
Sent: Tuesday, January 22, 2013 10:21 AM
To: Cowden, John
Subject: input on slides

Categories: Record Saved - Private

John,

Could you look at slide 7? These are going to be general overarching EPA needs with respect to the Interim report. Any suggestions you have would be great or any other slides that you think need to be added.



Jan NAS
presentations Sa...

Reeder L. Sams II, Ph.D.
Deputy Director (Acting)
Research Triangle Park Division
National Center for Environmental Assessment
Office of Research & Development
U.S. Environmental Protection Agency, B243-01
RTP, NC 27711

Phone: 919-541-0661

Fax: 919-541-0245

Bohn, Brent

From: Cowden, John
Sent: Tuesday, February 26, 2013 11:04 AM
To: Sams, Reeder
Subject: Latest draft of planning and scoping summary
Attachments: iAs Planning and Scoping Summary - revised draft - 02.08.13.docx

Categories: Record Saved - Private

Hey Reeder,

I would've forwarded the original email, but it only exists in Lotus Notes! ☺

Happy Tuesday!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

From: Lee, Janice
Sent: Thursday, January 31, 2013 3:50 PM
To: Cowden, John; Antonelli, Ray
Subject: latest sorting

Categories: Record Saved - Private

Lit Squad- this is my latest sorting.....



HERO_Arsenic20...

Janice S. Lee, Ph.D.
Integrated Risk Information System (IRIS)
National Center for Environmental Assessment
Mail Code: B-243-01
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

E-mail: Lee.JaniceS@epa.gov
Telephone: 919-541-9458
Fax: 919-541-0245

Bohn, Brent

From: Jones, Ryan
Sent: Tuesday, January 22, 2013 1:04 PM
To: Cowden, John; Lee, Janice
Subject: Library for Arsenic

Categories: Record Saved - Private

This library has 3736 items, selected by grouping with our pool of non-cancer health effect items. Let me know if it looks reasonable

Ryan Jones
Technical Information Specialist
National Center for Environmental Assessment
United States Environmental Protection Agency
Research Triangle Park, NC 27711
Mail Code: B142-F
Phone: 919.541.9415



HERO_Arsenic20...

Bohn, Brent

160

From: Lee, Janice
Sent: Wednesday, January 23, 2013 12:50 PM
To: Cowden, John
Subject: lit search presentation

Categories: Record Saved - Private



lee presentation
iAs.pptx

Here is the lit search presentation from the stakeholder meeting.

Janice

From: John Cowden/RTP/USEPA/US
To: Reeder Sams/RTP/USEPA/US@EPA, JaniceS Lee/RTP/USEPA/US@EPA
Date: 01/23/2013 12:21 PM
Subject: Revised draft presentation

Here you go!

Happy Wednesday!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

[attachment "Jan NAS presentations Sams_Lee_Cowden - draft - 01.23.13 JJV+jc.pptx" deleted by JaniceS Lee/RTP/USEPA/US]

162

Kelley, Dave

Subject: FW: Student services contractors
Attachments: Student Contractor Comm_Team_final_1.23.14.docx

From: Deener, Kathleen
Sent: Friday, February 07, 2014 11:16 AM
To: Kelley, Dave
Cc: Walsh, Debra; Johnson, Maureen; Corona, Elizabeth
Subject: Student services contractors

Hi Dave –

..... Debra (Walsh, ORD/NCEA Deputy Director) has given us the okay to move forward with ... (and also to renew Dahnish for another year). Please let me know if you need anything else from me in order to get this started.

Thanks!

Kacee Deener, MPH
Communications Director
National Center for Environmental Assessment
(ph) 703.347.8514
(blackberry) 202.510.1490
deener.kathleen@epa.gov

Kelley, Dave

Subject: FW: Student services contractors
Attachments: Student Contractor Comm_Team_final_1.23.14.docx

From: Deener, Kathleen
Sent: Friday, February 07, 2014 11:16 AM
To: Kelley, Dave
Cc: Walsh, Debra; Johnson, Maureen; Corona, Elizabeth
Subject: Student services contractors

Hi Dave --

..... Debra (Walsh, ORD/NCEA Deputy Director) has given us the okay to move forward with ... (and also to renew Dahnish for another year). Please let me know if you need anything else from me in order to get this started.

Thanks!

Kacee Deener, MPH
Communications Director
National Center for Environmental Assessment
(ph) 703.347.8514
(blackberry) 202.510.1490
deener.kathleen@epa.gov

Bohn, Brent

168

From: Fritz, Jason
Sent: Friday, April 04, 2014 5:46 PM
To: Sams, Reeder
Cc: Perovich, Gina; Cogliano, Vincent; Strong, Jamie; Chiu, Weihsueh; Gibbons, Catherine; Gwinn, Maureen; Keshava, Nagalakshmi; Jones, Samantha; Cowden, John; Lee, Janice
Subject: TPWG comments on the preliminary iAs document
Attachments: Inorganic Arsenic Materials and Topics for Discussion - revised draft - 04 April 14_TPWG combined comments.docx; TPWG summary comments_04 April 2014.docx

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Record Saved - Private

Hello Reeder,

Comments from the TPWG (prepared by myself and Maureen) are combined into a single track-change document. Some overarching concerns are also noted in a separate 1-pager. Please forgive any terseness in our comments or suggestions: we were asked to review this material yesterday and respond by today, so we didn't have much time to re-read and polish our thoughts.

Please advise if the TPWG can provide further assistance or support.

Sincerely,

Jason Fritz, TPWG co-chair

Jason M. Fritz, Ph.D.
Toxicologist
U.S. EPA
ORD/NCEA/IRIS
1200 Pennsylvania Ave., N.W.
Washington, D.C., 20460
703-347-0332